

EPA Official Record

Notes ID: 6CF50FB603F0501785257869005655E1

From: "Schroeder, Paul R ERDC-EL-MS" <Paul.R.Schroeder@usace.army.mil>

To: "Leitch, Robert A NAE" <Robert.A.Leitch@usace.army.mil>; "Mitkevicius, K C NAE" <K.C.Mitkevicius@usace.army.mil>; "Kammerer-cody, Denise E NAE" <Denise.E.Kammerer-Cody@usace.army.mil>; "Fredette, Thomas J NAE" <Thomas.J.Fredette@usace.army.mil>; "Ruiz, Carlos E ERDC-EL-MS" <Carlos.E.Ruiz@usace.army.mil>; Dave Dickerson/R1/USEPA/US@EPA

Delivered Date: 05/20/2008 11:54 PM EDT

Subject: RE: Sampling and Testing Needs for New Bedford Harbor

ATTACHMENT: NBH_Data_Adequacy_and_Needs.doc
Bob

Yes, we had reviewed the NBH 1990 Dredging Report and Appendices. I neglected to add it to the table where I thought that we already had enough data, but actually the data is somewhat better than the 2003 data. In particular, the specific gravity data is much more credible and the Atterberg limits are more completely presented. In addition, there was one consolidation with the coefficient of consolidation as a function of loading. This test is appropriate for use with small strain consolidation modeling but does not provide permeability data which would be needed for finite or large strain consolidation modeling.

I updated the table in the attached file.

Paul

-----Original Message-----

From: Leitch, Robert A NAE
Sent: Tuesday, May 20, 2008 6:27 AM
To: Schroeder, Paul R ERDC-EL-MS; Mitkevicius, K C NAE; Kammerer-cody, Denise E NAE; Fredette, Thomas J NAE; Ruiz, Carlos E ERDC-EL-MS; 'dickerson.dave@epamail.epa.gov'
Subject: RE: Sampling and Testing Needs for New Bedford Harbor

Thanks Paul!

At first pass through the data needs, I noticed that the "NBH 1990 USACE Dredging Report and appendices" was in the list of documents reviewed but not listed in the table of data availability and adequacy sources referenced. For example, Atterberg limits, grain size distribution, etc.

Did you review these data for applicability?

Tx

Bob

-----Original Message-----

From: Schroeder, Paul R ERDC-EL-MS

Sent: Monday, May 19, 2008 10:24 PM

To: Leitch, Robert A NAE; Mitkevicius, K C NAE; Kammerer-cody, Denise E NAE;
Fredette, Thomas J NAE; Ruiz, Carlos E ERDC-EL-MS;
'dickerson.dave@epamail.epa.gov'

Subject: Sampling and Testing Needs for New Bedford Harbor

All,

I am attaching our findings of sampling and testing needs to assess contaminant losses from dredged material disposal in CAD sites. We would still like to see the differences between the projected composites based on the DMUs data. We would like to generate a range of values (differences) in the testing so that we can project the effects across the range of sediment properties and verify that the average of sum of the effects across the range is can reasonably be represented by the effect of the composite. Not all of the effects are expected to be linear. If the projected composites are predicted to be very similar, we may want to try to build a couple of other composites that would be expected to better cover a range of properties. Nevertheless, the number of samples and tests should not change regardless of how composites are selected.

Paul

- NBH_Data_Adequacy_and_Needs.doc